Freeform Search

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
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Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term: ((client$ or user$) with (config$ or activat$) with (service$) with (network$) with (interface$) with (server$))

Display: 10 **Documents in Display Format:** KWIC **Starting with Number** 1

Generate: ○ **Hit List** ◉ **Hit Count** ○ **Side by Side** ○ **Image**

Search Clear Interrupt

Search History

DATE: Friday, June 24, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=ADJ			
L12	((client$ or user$) with (config$ or activat$) with (service$) with (network$) with (interface$) with (server$))	44	L12
L11	((client$ or user$) with (config$ or activat$) with (service$) with (network$) with interface$)	213	L11
L10	((client$ or user$) with (config$ or activat$) with (service$) with (network$))	1186	L10
L9	((client$ or user$) with (order$ or config$ or activat$) with (service$) with (network$))	1847	L9
L8	((client$ or user$) with (order$ or config$ or activat$) with (service$))	7639	L8
L7	L5 and (user with configurable with service$)	12	L7
L6	L5 and (user with configurable with service$).ab.	0	L6
L5	L4 and network$.ab.	8518	L5
L4	709/$.ccls.	18123	L4
L3	L2 and network$.ab.	0	L3
L2	709?4.ccls.	0	L2

Previous Doc Next Doc Go to Doc#
First Hit Fwd Refs

Generate Collection

L12: Entry 17 of 44 File: USPT Oct 7, 2003

DOCUMENT-IDENTIFIER: US 6631186 B1
TITLE: System and method for implementing and accessing call forwarding services

CLAIMS:

7. A system for implementing a call forwarding service of a subscriber, comprising: a service control point, which processes telephone calls in a public switched telecommunications network, said service control point comprising a database of call forwarding service data corresponding to a telephone number of the subscriber, the call forwarding service data comprising a call forwarding schedule; a Web server in a packet switched data network, which provides the call forwarding service data to a graphical user interface, said Web server receiving first instructions from the graphical user interface for defining the call forwarding schedule, including identifying a plurality of activation and deactivation times and at least one forward-to number corresponding to the plurality of activation times, and for activating and deactivating the call forwarding schedule; an interactive voice response system in the public switched telephone network, which provides the call forwarding service data to a dual tone multi-frequency (DTMF) telephone, said interactive voice response system receiving second instructions from the DTMF telephone for controlling the call forwarding schedule defined via the graphical user interface, including activating and deactivating the call forwarding schedule; and a service management system comprising a communications interface between said service control point and said Web server and further comprising a communications interface between said service control point and said interactive voice response system said service management system being configured to communicate each of the first instructions and the second instructions to said service control point, which accordingly updates the call forwarding service data and processes calls to the telephone number of the subscriber in accordance with the updated call forwarding service data.

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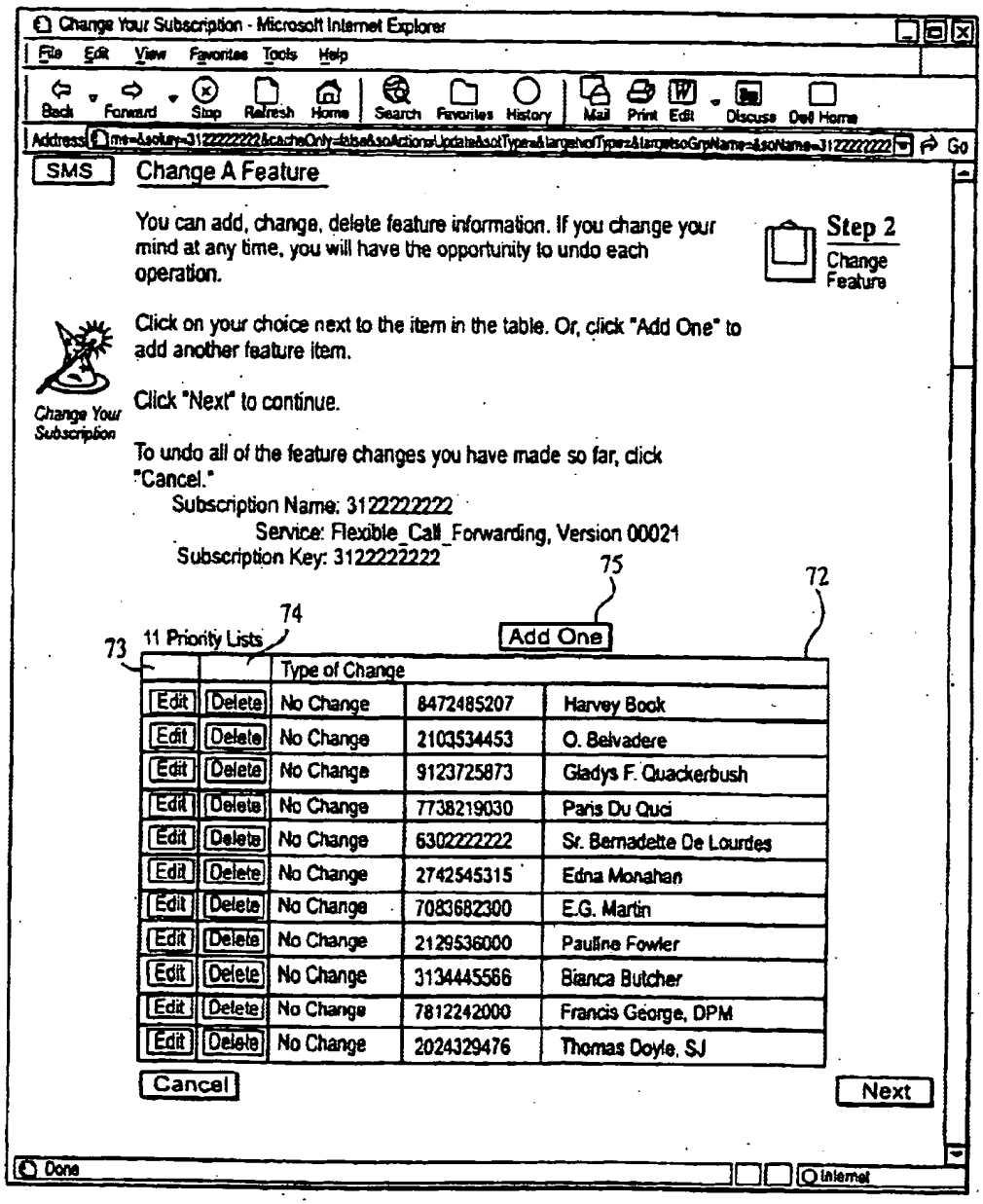

Change Your Subscription - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home
Address Go
SMS
Change A Feature
You can add, change, delete feature information. If you change your mind at any time, you will have the opportunity to undo each operation.
Step 2
Change Feature
Click on your choice next to the item in the table. Or, click "Add One" to add another feature item.
Change Your Subscription
Click "Next" to continue.
To undo all of the feature changes you have made so far, click "Cancel."
Subscription Name: 3122222222
Service: Flexible_Call_Forwarding, Version 00021
Subscription Key: 3122222222
75
72
74
73
11 Priority Lists
Add One
Type of Change
Edit Delete No Change 8472485207 Harvey Book
Edit Delete No Change 2103534453 O. Belvadere
Edit Delete No Change 9123725873 Gladys F. Quackerbush
Edit Delete No Change 7738219030 Paris Du Quci
Edit Delete No Change 6302222222 Sr. Bernadette De Lourdes
Edit Delete No Change 2742545315 Edna Monahan
Edit Delete No Change 7083682300 E.G. Martin
Edit Delete No Change 2129536000 Pauline Fowler
Edit Delete No Change 3134445566 Bianca Butcher
Edit Delete No Change 7812242000 Francis George, DPM
Edit Delete No Change 2024329476 Thomas Doyle, SJ
Cancel
Next
Done
Internet

FIG. 6

US006631186B1

(12) **United States Patent**
Adams et al.

(10) **Patent No.: US 6,631,186 B1**
(45) **Date of Patent: Oct. 7, 2003**

(54) **SYSTEM AND METHOD FOR IMPLEMENTING AND ACCESSING CALL FORWARDING SERVICES**

(75) Inventors: **Thomas Lee Adams**, Austin, TX (US); **Xiaolian Yang Bi**, Shanghai (CN); **Gordon Lynn Blumenschein**, Woodridge, IL (US); **Nancy Ann Book**, Naperville, IL (US); **Rodney T Brand**, Florissant, MO (US); **Susanne Marie Crockett**, Buffalo Grove, IL (US); **Laura Kay Culli**, Austin, TX (US); **Mary Louise Hardzinski**, Longmont, CO (US); **Michael Albert Machacek**, Bulverde, TX (US); **Thomas Joseph McBlain**, Arlington Heights, IL (US); **John Wesley Moss**, Lake Zurich, IL (US); **Stephen Mark Mueller**, Austin, TX (US); **Karen Jeanne Pelletier**, LaQuinta, CA (US); **Richard Everett Sabinson**, San Antonio, TX (US); **Paul Wilczynski**, Cary, IL (US); **Elizabeth Goldwyn Gibson**, Austin, TX (US)

(73) Assignee: **SBC Technology Resources, Inc.**, Austin, TX (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/716,276**

(22) Filed: **Nov. 21, 2000**

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/619,312, filed on Jul. 19, 2000, and a continuation-in-part of application No. 09/545,459, filed on Apr. 7, 2000.
(60) Provisional application No. 60/128,474, filed on Apr. 9, 1999.

(51) **Int. Cl.**[7] **H04M 3/42**; H04M 7/00
(52) **U.S. Cl.** **379/201.12**; 379/211.02; 379/221.08

(58) **Field of Search** 379/88.18, 221.08, 379/221.09, 211.02

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,995,074	A	2/1991	Goldman et al.
5,054,055	A	10/1991	Hanle et al.
5,117,452	A	5/1992	Callele et al.
5,241,588	A	8/1993	Babson, III et al.

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

EP	0740480	10/1996
WO	98/52342	11/1998
WO	00/10346	2/2000

OTHER PUBLICATIONS

Internet web pages by Z–Tel, "Personal Communications Center", dated Apr. 13, 2000 and May 15, 2000.

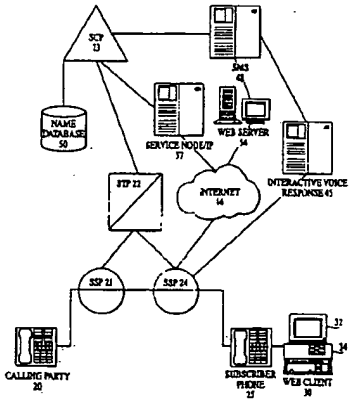
(List continued on next page.)

Primary Examiner—Ahmad F. Matar
Assistant Examiner—Hector Agdeppa
(74) *Attorney, Agent, or Firm*—Greenblum & Bernstein, P.L.C.

(57) **ABSTRACT**

A system and method include implementing and accessing a subscriber's telecommunications services, using a graphical user interface (GUI) via the Internet, and an interactive voice response (IVR) system via the public switched telecommunications network (PSTN). The system and method enable a subscriber to review, schedule and modify call forwarding information stored and implemented by a service control-point (SCP) through a common server from any dual tone multi-frequency (DTMF) telephone and IVR system via the PSTN or any GUI and Web client via the Internet. The subscriber is able to build and edit call forwarding data, such as a scheduler and priority and rejection screening lists, by the GUI via the Internet for subsequent implementation.

24 Claims, 34 Drawing Sheets



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Generate Collection

L12: Entry 30 of 44 File: USPT Oct 31, 2000

DOCUMENT-IDENTIFIER: US 6141699 A
TITLE: Interactive display system for sequential retrieval and display of a plurality of interrelated data sets

Detailed Description Text (25):
Considering once again our exemplary embodiment wherein a Lotus Notes application program 203 on a server computer 202 is to be monitored by the AMA probe 201. Once the probe configuration information 302 has been entered into the graphical interface 301, the AMA probe executable code 303 resident on the client computer system 106 utilizes an application program interface (API) 304 for the application program on the server computer, in the same manner as an end-user client seeking the services of the application program 203 over the network 200. However, the frequency of access, userid, password, etc. with which the probe code 303 requests the service response from the application program interface 304 are dictated by the probe configuration information 302 supplied through the graphical interface 301. In the case of the Lotus Notes application 203 the AMA code 303 utilizes the Notes APIs 304 included in Lotus VIM (Vendor Independent Messaging) API Toolkit.

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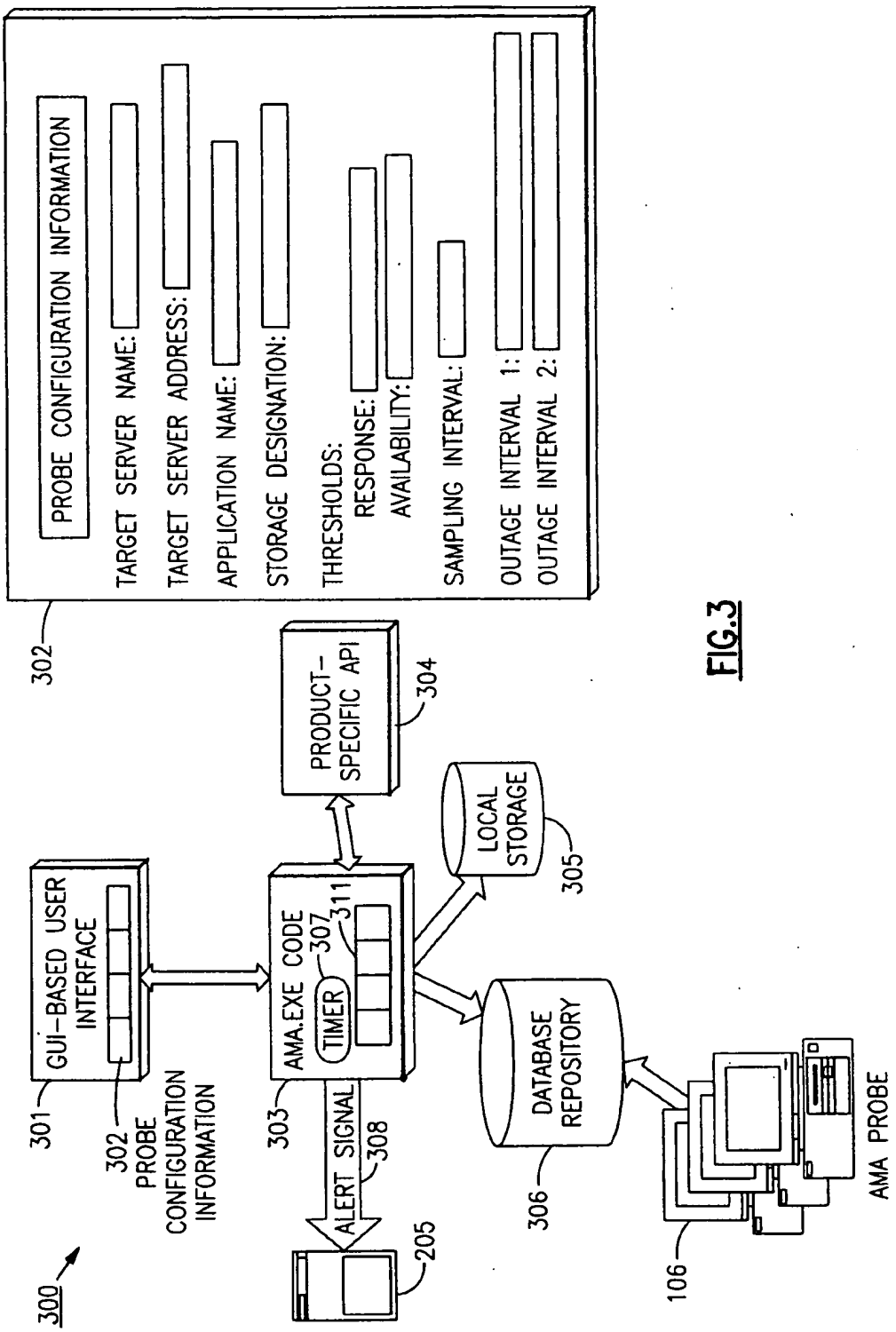
PROBE CONFIGURATION INFORMATION
TARGET SERVER NAME:
TARGET SERVER ADDRESS:
APPLICATION NAME:
STORAGE DESIGNATION:
THRESHOLDS:
RESPONSE:
AVAILABILITY:
SAMPLING INTERVAL:
OUTAGE INTERVAL 1:
OUTAGE INTERVAL 2:
302
PRODUCT-SPECIFIC API
304
LOCAL STORAGE
305
GUI-BASED USER INTERFACE
AMA.EXE CODE
307
311
TIMER
DATABASE REPOSITORY
306
301
302 PROBE CONFIGURATION INFORMATION
303
ALERT SIGNAL
308
205
106
AMA PROBE
300

FIG.3

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First Hit Fwd Refs

Generate Collection

L12: Entry 35 of 44 File: USPT Jan 4, 2000

DOCUMENT-IDENTIFIER: US 6012100 A
TITLE: System and method of configuring a remotely managed secure network interface

CLAIMS:

10. The method of claim 8 wherein said configuration manager is configured to accept a service request from either said user interface on said client computer or a remote process on a remote management server coupled to said network interface device through a second network.

Previous Doc Next Doc Go to Doc#

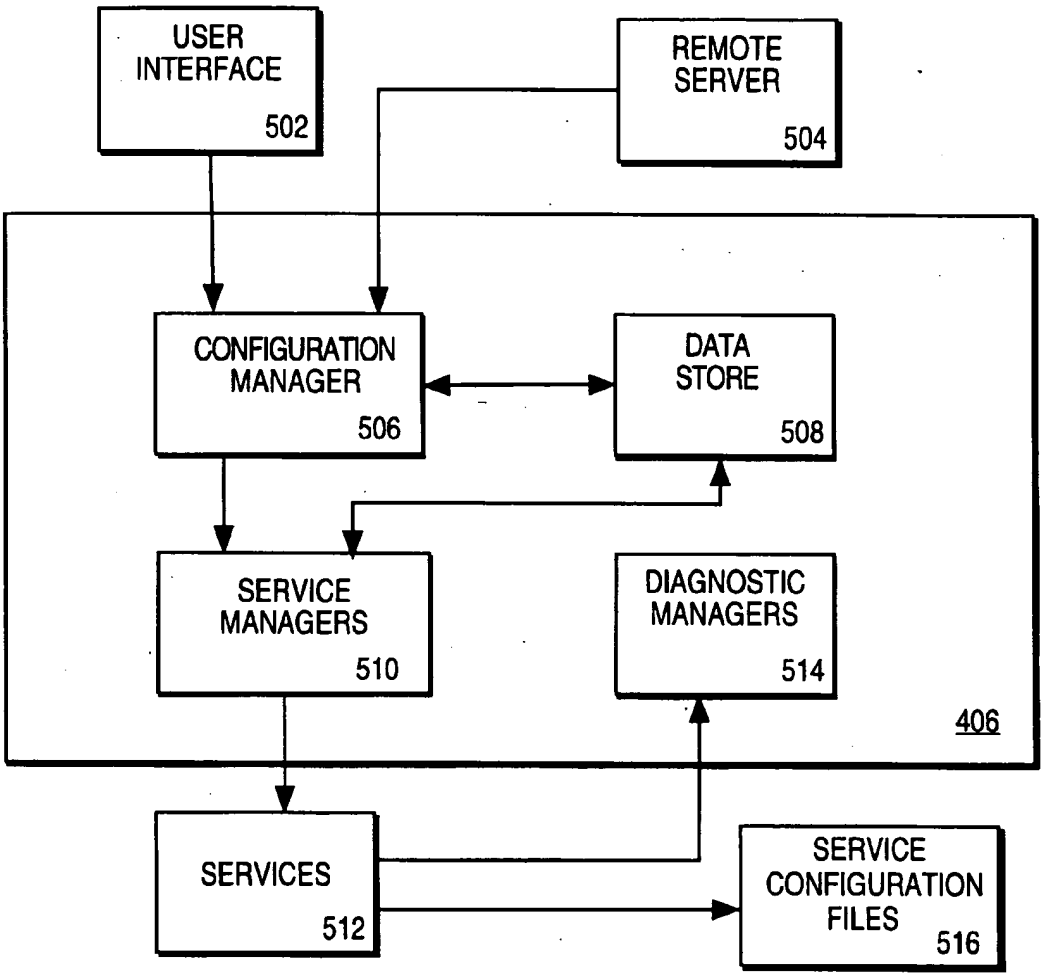
USER INTERFACE
502
REMOTE SERVER
504
CONFIGURATION MANAGER
506
DATA STORE
508
SERVICE MANAGERS
510
DIAGNOSTIC MANAGERS
514
406
SERVICES
512
SERVICE CONFIGURATION FILES
516

FIG. 5

Freeform Search

Database: US Pre-Grant Publication Full-Text Database
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IBM Technical Disclosure Bulletins

Term: L4 and (subscriber$ with select$ with feature$)

Display: 10 **Documents in Display Format:** KWIC **Starting with Number** 1

Generate: ○ Hit List ◉ Hit Count ○ Side by Side ○ Image

Search | Clear | Interrupt

Search History

DATE: Friday, June 24, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=USPT; PLUR=YES; OP=ADJ		
L13	L4 and (subscriber$ with select$ with feature$)	22	L13
L12	((client$ or user$) with (config$ or activat$) with (service$) with (network$) with (interface$) with (server$))	44	L12
L11	((client$ or user$) with (config$ or activat$) with (service$) with (network$) with interface$)	213	L11
L10	((client$ or user$) with (config$ or activat$) with (service$) with (network$))	1186	L10
L9	((client$ or user$) with (order$ or config$ or activat$) with (service$) with (network$))	1847	L9
L8	((client$ or user$) with (order$ or config$ or activat$) with (service$))	7639	L8
L7	L5 and (user with configurable with service$)	12	L7
L6	L5 and (user with configurable with service$).ab.	0	L6
L5	L4 and network$.ab.	8518	L5
L4	709/$.ccls.	18123	L4
L3	L2 and network$.ab.	0	L3

L2	709?4.ccls.	0	L2
L1	6687733.pn.	1	L1

END OF SEARCH HISTORY

L13: Entry 16 of 22 File: USPT Sep 25, 2001

DOCUMENT-IDENTIFIER: US 6295291 B1
TITLE: Setup of new subscriber radiotelephone service using the internet

Abstract Text (1):
A potential radiotelephone service subscriber logs on to a world wide web server (105) using an internet access device (101). The potential subscriber is presented with a plurality of selectable radiotelephone services and features. The potential subscriber then provides the billing system (130) with credit information that is validated through the credit validation system (140). A radiotelephone service profile is stored in the home location register (110) after the subscription process has been completed. The subscriber is then instructed to power up the radiotelephone that then registers with the system. An over-the-air activation function (135) collects data from the billing system (130) and an authentication center (125) and sends the data to the mobile switching center (115) that then transmits it through the base station (120) to the radiotelephone. The radiotelephone reprograms its own registers with the appropriate data.

Brief Summary Text (10):
The potential radiotelephone service subscriber logs on to the internet coupled server with the internet access device and selects from the plurality of radiotelephone services and features. The selected features and services are saved as the radiotelephone profile.

Detailed Description Text (8):
The billing system (130), coupled to the web server (105) is a billing server computer that performs billing processes, keeps records on the subscribers in the service provider's system, and sends the selected radiotelephone service features to a home location register (HLR) (110). The billing processes include tracking the subscriber's service plan and air time rates, tracking the subscriber's air time, and tracking the features that the subscriber has chosen. All of these factors enter into the bill that the subscriber receives. Therefore, if the subscriber changes his profile, the billing system must know in order to change the billing for the subscriber.

Detailed Description Text (18):
The MSC (115) additionally performs the switching required by any of the features selected by the subscriber. Assume, for example, that the subscriber has purchased call forwarding. The subscriber enters into their radiotelephone the telephone number to which all incoming calls are to be forwarded. This information is transmitted to and stored in the HLR. When a call is received for the subscriber's radiotelephone number, the MSC finds the forwarding number in the profile received from the HLR and routes the call to the PSTN, or other MSCs, depending on the forwarding number.

Current US Cross Reference Classification (3):
709/219

Current US Cross Reference Classification (4):
709/227

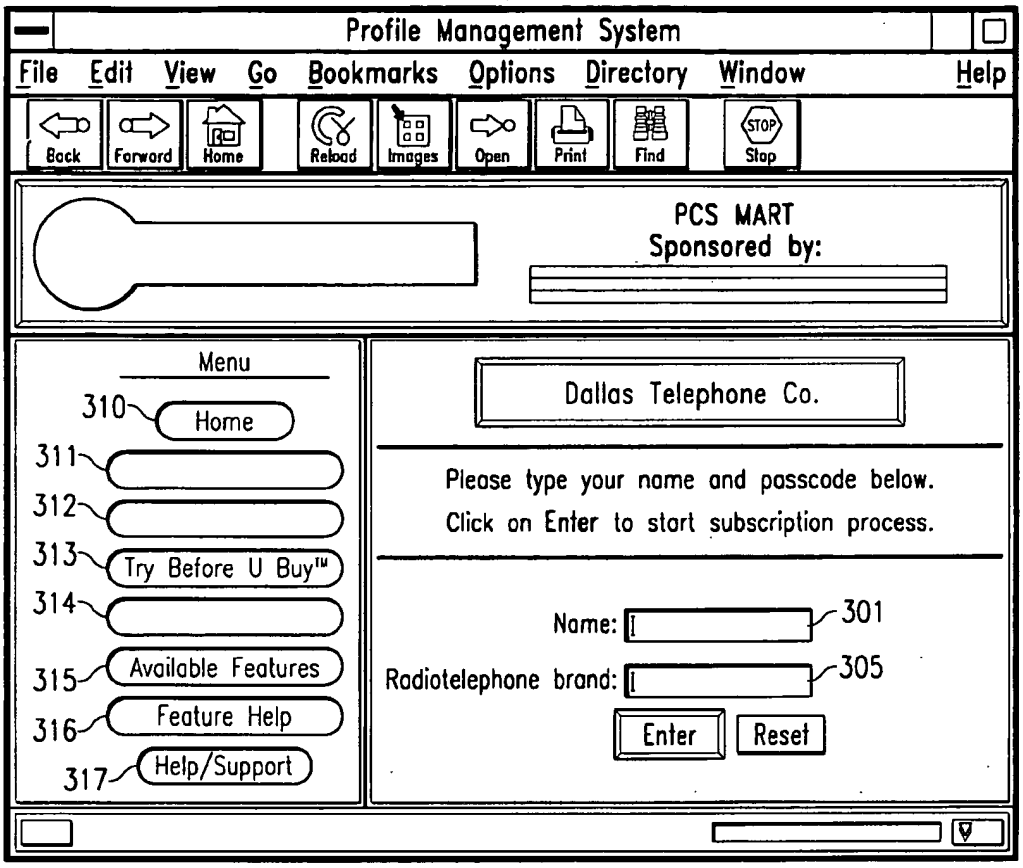
Profile Management System
File Edit View Go Bookmarks Options Directory Window Help
Back Forward Home Reload Images Open Print Find Stop
PCS MART
Sponsored by:
Menu
310 Home
311
312
313 Try Before U Buy™
314
315 Available Features
316 Feature Help
317 Help/Support
Dallas Telephone Co.
Please type your name and passcode below.
Click on Enter to start subscription process.
Name: 301
Radiotelephone brand: 305
Enter Reset

FIG. 3

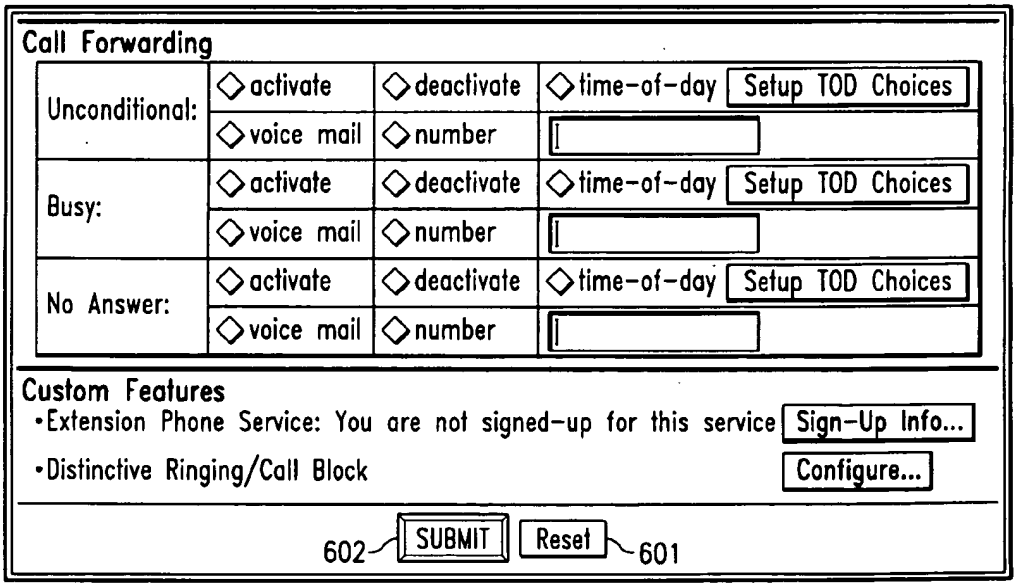
Call Forwarding
Unconditional: activate deactivate time-of-day Setup TOD Choices
voice mail number
Busy: activate deactivate time-of-day Setup TOD Choices
voice mail number
No Answer: activate deactivate time-of-day Setup TOD Choices
voice mail number
Custom Features
•Extension Phone Service: You are not signed-up for this service Sign-Up Info...
•Distinctive Ringing/Call Block Configure...
602 SUBMIT Reset 601

FIG. 6

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First Hit Fwd Refs

Generate Collection

L13: Entry 5 of 22 File: USPT Jun 8, 2004

DOCUMENT-IDENTIFIER: US 6748439 B1
TITLE: System and method for selecting internet service providers from a workstation that is connected to a local area network

Detailed Description Text (50):
A subscriber can have a number of different connection profiles. The profiles can be any one of the following (and others as they are defined): 1) direct Connection (nailed up) to NSP; 2) multiple NSP service option, subscriber makes all configuration changes manually when changing service; 3) multiple services with dynamic service selection; 4) there can be multiple subscribers attached to a given CPE device, each with a different connection profile; and 5) multiple services with dynamic service selection and the ability to go to multiple destinations simultaneously, this is a future feature.

Current US Original Classification (1):
709/229

Current US Cross Reference Classification (4):
709/227

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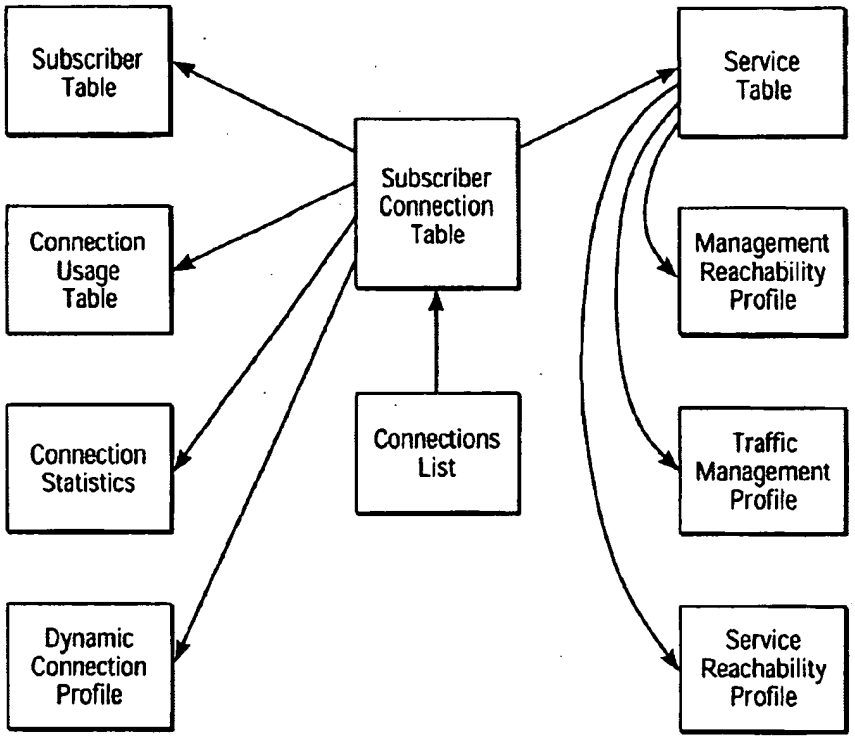
Subscriber Table
Connection Usage Table
Connection Statistics
Dynamic Connection Profile
Subscriber Connection Table
Connections List
Service Table
Management Reachability Profile
Traffic Management Profile
Service Reachability Profile

FIG. 5

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Generate Collection

L13: Entry 8 of 22 File: USPT Feb 17, 2004

DOCUMENT-IDENTIFIER: US 6694316 B1
TITLE: System and method for a subject-based channel distribution of automatic, real-time delivery of personalized informational and transactional data

Current US Cross Reference Classification (8):
709/203

Current US Cross Reference Classification (9):
709/206

Current US Cross Reference Classification (10):
709/217

Current US Cross Reference Classification (11):
709/223

CLAIMS:

3. The system of claim 1 wherein a subscriber may select personalization features to be applied for the service.

13. The method of claim 11 further comprising the step of enabling a subscriber to select personalization features to be applied for the service.

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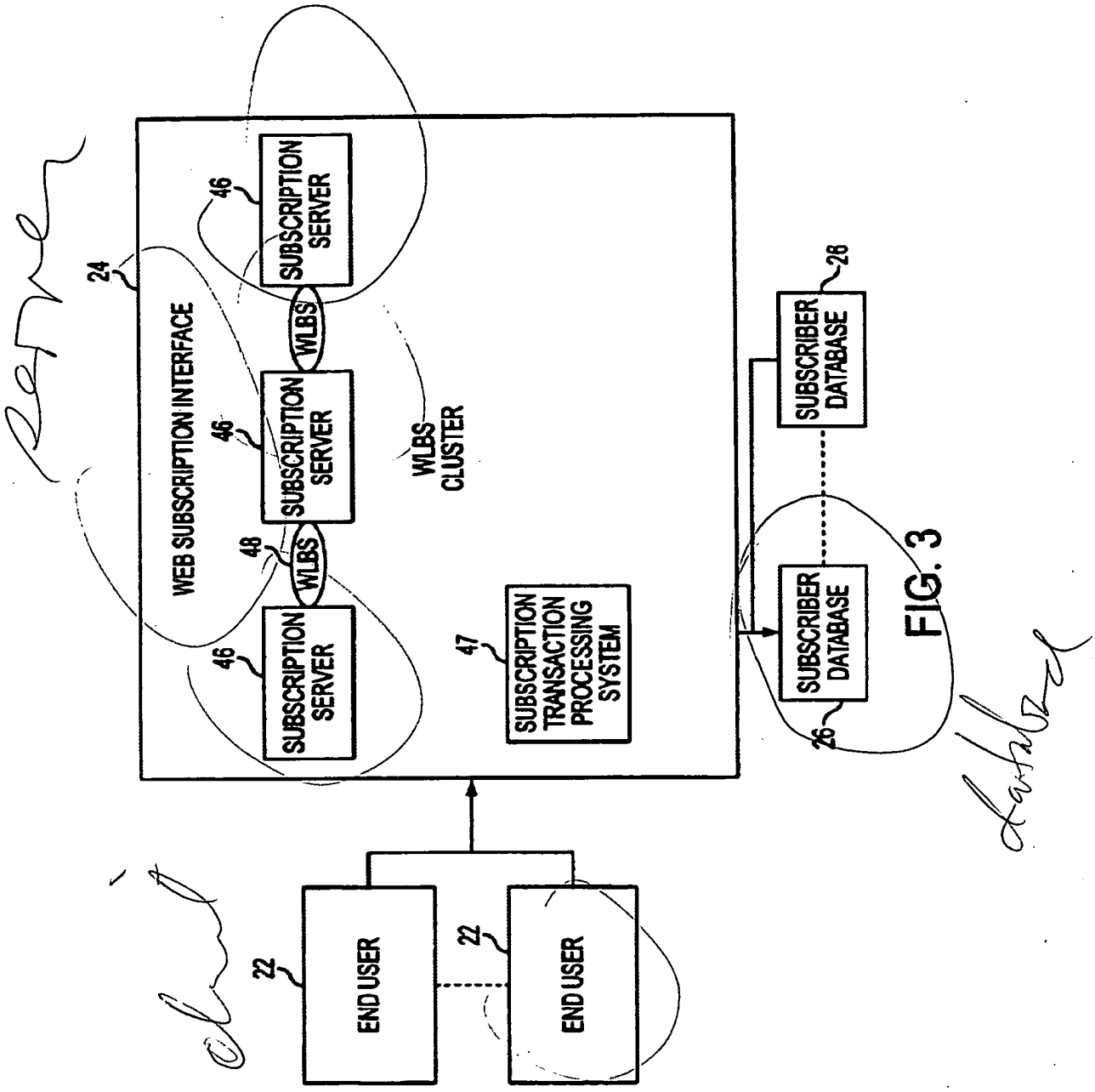
WEB SUBSCRIPTION INTERFACE
24
SUBSCRIPTION SERVER
46
WLBS
SUBSCRIPTION SERVER
46
WLBS
48
SUBSCRIPTION SERVER
46
WLBS CLUSTER
SUBSCRIPTION TRANSACTION PROCESSING SYSTEM
47
SUBSCRIBER DATABASE
28
SUBSCRIBER DATABASE
26
END USER
22
END USER
22

FIG. 3

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First Hit Fwd Refs

Generate Collection

L13: Entry 17 of 22 File: USPT Aug 21, 2001

DOCUMENT-IDENTIFIER: US 6279013 B1
TITLE: Interactive newspaper

Detailed Description Text (6):
The selector 34 receives the subscriber profile and selects the subscriber features and a portion of the plurality of articles from the article storage 30 in response to the particular subscriber profile. The selector communicates a list of the articles, comprising references, features, services and programs to the token generator 36, which determines which of these items is to be associated with the token in the document format. As noted above, the tokens preferably comprise dataglyphs which necessarily identify the identity of the document, including its edition, the subscriber and the particular items with which the tokens are associated. The document content selector 34 is also directly communicated to the combiner, encoder layout engine 38, which combines the subscriber features and selected portion of the content into a document format including the embedded tokens disposed for indication of the subscriber redactions. The format will thus coincide and be printed by printer 40 in a form such as illustrated in FIG. 1. The printed document 42 is thus read and redacted at step 44.

Current US Cross Reference Classification (3):
709/217

CLAIMS:

4. A system for generating a newspaper customized to a profile of a subscriber in response to a subscriber redaction imprinted by a subscriber on a preexisting form of the newspaper, comprising:

an article storage for holding newspaper content comprised of a plurality of articles and features susceptible for publication in the newspaper; a profile storage for holding a subscriber profile indicative of article subject matter and subscriber features preferred by the subscriber;

a selector for receiving the subscriber profile and for selecting the subscriber features and a portion of the plurality of articles from the article storage in response to the subscriber profile;

a layout engine for combining the subscriber features and selected portion into a newspaper format including a token selectively identifying the newspaper and the subscriber;

a printer for printing the newspaper in the newspaper format;

a scanner for receiving the newspaper and identifying the subscriber redaction; and,

a profile processor for updating the subscriber profile held in the profile storage in response to the subscriber redaction.

7. The system as claimed in claim 6 wherein a first glyph region identifies the newspaper and the subscriber and a second glyph region identifies either the subscriber features or the selected portion.

13. The method as claimed in claim 10 wherein the scanning includes identifying subscriber indicia associated with the token, the subscriber features or the selected portion.

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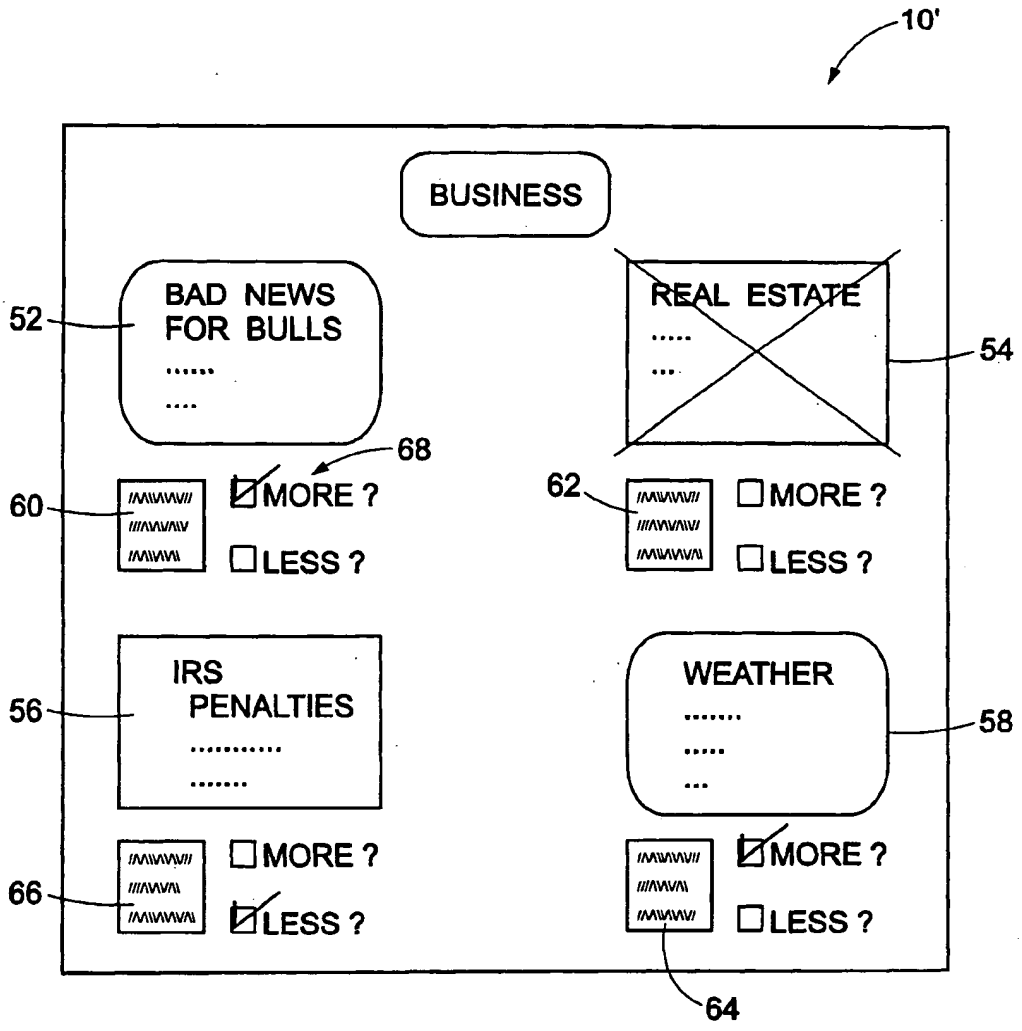
10'
BUSINESS
BAD NEWS FOR BULLS
.....
....
52
REAL ESTATE
.....
...
54
68
MORE ?
LESS ?
60
62
MORE ?
LESS ?
IRS PENALTIES
.....
.....
56
WEATHER
.....
.....
...
58
MORE ?
LESS ?
66
MORE ?
LESS ?
64

FIG. 3